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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	Not yet assigned
Filing Date	Herewith
First Named Inventor	Kevin D. Parris
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	2368/91

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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**Examiner
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Sheet

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of

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>LD</i>	2	Drenth, entitled "Principles of Protein X-ray Crystallography," Springer-Verlag, Second Edition, pp. 1-18, 1995.	
	3	Huang et al., entitled "Crystal structure of beta-ketoacyl-acyl carrier protein synthase II from <i>E. coli</i> reveals the molecular architecture of condensing enzymes," EMBO J., 17(5): pp. 1183-91, 1998.	
	4	Meurer and Hutchinson, entitled "Functional analysis of putative beta-ketoacyl:acyl carrier protein synthase and acyltransferase active site motifs in a type II polyketide synthase of <i>Streptomyces glaucescens</i> ," Journal of Bacteriology, 177(2): pp. 477-81, January 1995.	
	5	Moche et al., entitled "Structure of the complex between the antibiotic cerulenin and its target, beta-ketoacyl-acyl carrier protein synthase," The Journal of Biological Chemistry, 274(10): pp. 6031-34, March 5, 1999.	
	6	Olsen et al., entitled "The X-ray crystal structure of beta-ketoacyl [acyl carrier protein] synthase I," FEBS Letters, 460: pp. 46-52, 1999.	

Examiner
Signature*Linda O. Dell*

Date

Considered

5/17/05

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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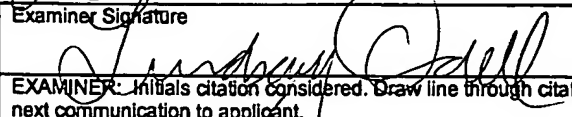


Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16163-031002	Application No. 10/717,138
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Parris <i>et al.</i>	
		Filing Date November 19, 2003	Group Art Unit 1652

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
	BA						Yes No

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
10	CA	Baldwin <i>et al.</i> "Isolation and Partial Characterization of ACV Synthetase from <i>Cephalosporium acremonium</i> and <i>Streptomyces clavuligerus</i> Evidence for the Presence of Phosphopantothenate in ACV Synthetase" <i>J. Antibiot.</i> 44(2):241-248 (1991)
10	CB	Banerjee <i>et al.</i> "inhA, a Gene Encoding a Target for Isoniazid and Ethionamide in <i>Mycobacterium tuberculosis</i> " <i>Science</i> 263(5144):227-230 (1994)
10	CC	Bergler <i>et al.</i> "Protein EnvM Is the NADH-dependent Enoyl-ACP Reductase (FabI) of <i>Escherichia coli</i> " <i>J. Biol. Chem.</i> 269(8):5493-5496 (1994)
10	CD	Crump <i>et al.</i> "Solution Structure of the Actinorhodin Polyketide Synthase Acyl Carrier Protein from <i>Streptomyces coelicolor</i> A3(2)" <i>Biochem.</i> 36:6000-6008 (1997)
10	CE	Dessen <i>et al.</i> "Crystal Structure and Function of the Isoniazid Target of <i>Mycobacterium tuberculosis</i> " <i>Science</i> 267(5204):1638-1641 (1995)
10	CF	Elovson <i>et al.</i> "Acyl Carrier Protein" <i>J. Biol. Chem.</i> 243(13):3603-3611 (1968)
10	CG	Fischl <i>et al.</i> "Isolation and Properties of Acyl Carrier Protein Phosphodiesterase of <i>Escherichia coli</i> " <i>J. Bacteriol.</i> 172(9):5445-5449 (1990)
10	CH	Furukawa <i>et al.</i> "Thiolactomycin Resistance in <i>Escherichia coli</i> Is Associated with the Multidrug Resistance Efflux Pump Encoded by <i>emrAB</i> " <i>J. Bacteriol.</i> 175(12):3723-3729 (1993)
10	CI	Geiger <i>et al.</i> "Isolation of the <i>Rhizobium leguminosarum</i> NodF Nodulation Protein: NodF carries a 4'-Phosphopantetheine Prosthetic Group" <i>J. Bacteriol.</i> 173(9):2872-2878 (1991)
10	CJ	Hill <i>et al.</i> "Overexpression, Purification, and Characterization of <i>Escherichia coli</i> Acyl Carrier Protein and Two Mutant Proteins" <i>Protein Expression and Purification</i> 6:394-400 (1995)
10	CK	Holak <i>et al.</i> "Three-Dimensional Structure of Acyl Carrier Protein Determined by NMR Pseudoenergy and Distance Geometry Calculations" <i>Biochem.</i> 27:6135-6142 (1988)
10	CL	Holak <i>et al.</i> "Three-dimensional structure of acyl carrier protein in solution determined by nuclear magnetic resonance and the combined use of dynamical simulated annealing and distance geometry" <i>Eur. J. Biochem.</i> 175:9-15 (1988)
10	CM	Holak <i>et al.</i> "Improved strategies for the determination of protein structures from NMR data: the solution structure of acyl carrier protein" <i>FEBS Lett.</i> 242(2):218-224 (1989)
10	CN	Hopwood <i>et al.</i> "Molecular Genetics of Polyketides and its Comparison to Fatty Acid Biosynthesis" <i>Annu. Rev. Genet.</i> 24:37-66 (1990)
10	CO	Issartel <i>et al.</i> "Activation of <i>Escherichia coli</i> prohaemolysin to the mature toxin by acyl carrier protein-dependent fatty acylation" <i>Nature</i> 351:759-761 (1991)

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Other Documents (include Author, Title, Date, and Place of Publication)		
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	CP	Kleinkauf et al. "A nonribosomal system of peptide biosynthesis" <i>Eur. J. Biochem.</i> 236(2):335-351 (1996)
	CQ	Lambalot et al. "A new enzyme superfamily – the phosphopantetheinyl transferases" <i>Chem. & Biol.</i> 3(11):923-936 (1996)
	CR	Lambalot et al. "Cloning, Overproduction, and Characterization of the <i>Escherichia coli</i> Holo-acyl Carrier Protein Synthase" <i>J. Biol. Chem.</i> 270(42):24658-24661 (1995)
	CS	Lynen "On the Structure of Fatty Acid Synthetase of Yeast" <i>Eur. J. Biochem.</i> 112:431-442 (1980)
	CT	Magnuson et al. "Regulation of Fatty Acid Biosynthesis of <i>Escherichia coli</i> " <i>Microbiol. Reviews</i> 57:522-542 (1993)
	CU	Majerus et al. "Fatty Acid Biosynthesis and the Role of the Acyl Carrier Protein" <i>Advan. Lipid Res.</i> 5:1-33 (1967)
	CV	Marahiel "Multidomain enzymes involved in peptide synthesis" <i>FEBS Lett.</i> 307(1):40-43 (1992)
	CW	Prescott et al. "Acyl Carrier Protein" <i>Advan Enzymol. Relat. Areas Mol. Biol.</i> 36:269-311 (1972)
	CX	Quémard et al. "Enzymatic Characterization of the Target for Isoniazid in <i>Mycobacterium tuberculosis</i> " <i>Biochem.</i> 34:8235-8241 (1995)
	CY	Reuter et al. "Crystal structure of the surfactin synthetase-activating enzyme Sfp: a prototype of the 4'-phosphopantetheinyl transferase superfamily" <i>The EMBO J.</i> 18(23):6823-6831 (1999)
	CZ	Rock et al. "Improved Purification of Acyl Carrier Protein" <i>Anal. Biochem.</i> 102:362-364 (1980)
	CAA	Rusnak et al. "Biosynthesis of the <i>Escherichia coli</i> Siderophore Enterobactin: Sequence of the <i>entF</i> Gene, Expression and Purification of EntF, and Analysis of Covalent Phosphopantetheine" <i>Biochem.</i> 30:2916-2927 (1991)
	CBB	Sanyal et al. "Biosynthesis of Pimeloyl-CoA, a Biotin Precursor in <i>Escherichia coli</i> , Follows a Modified Fatty Acid Synthesis Pathway: ¹³ C-Labeling Studies" <i>J. Am. Chem. Soc.</i> 116:2637-2638 (1994)
	CCC	Shen et al. "Purification and Characterization of the Acyl Carrier Protein of the <i>Streptomyces glaucescens</i> Tetracenomycin C Polyketide Synthase" <i>J. Bacteriol.</i> 174(11):3818-3821 (1992)
	CDD	Takiff et al. "Locating Essential <i>Escherichia coli</i> Genes by Using Mini-Tn10 Transposons: the <i>pdxJ</i> Operon" <i>J. Bacteriol.</i> 174(5):1544-1553 (1992)
	CEE	Wakil et al. "Fatty Acids Synthesis and its Regulation" <i>Annu. Rev. Biochem.</i> 52:537-579 (1983)
	CFF	White "Stoichiometry and Stereochemistry of Deuterium Incorporated into Fatty Acids by Cells of <i>Escherichia coli</i> Grown on [methyl- ² H ₃]Acetate" <i>Biochemistry</i> 19:9-15 (1980)
	CGG	

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